

# A Report on RoboCup-97

Hitoshi Matsubara \*, Itsuki Noda \* and Sho'ji Suzuki \*\*

\* Electrotechnical Laboratory, \* \* Osaka University

We report the result on RoboCup-97. RoboCup-97 is the first RoboCup [1] competition which is held at IJCAI-97. RoboCup-97 consists on three leagues: simulation league, small-size real robot league and middle-size real robot league. The simulator (called Soccer Server) (see Fig.1) is designed and implemented by Noda[2]. The field of small-size league is a ping pong table. The field of middle-size league is 9 (3 × 3) ping pong tables. The lists of the participants are as follows.

## 1 Simulation league

- MICROB: Alexis Drogoul & Dominique Duhaut  
Universite PARIS 6 ( France)
- University of Michigan: Patrick Kenny  
University of Michigan ( USA)
- CMUnited: Peter Stone & Manuela Veloso  
CMU ( USA)
- NIT-stones: Takahiro Hotta  
Nagoya Institute of Technology ( Japan)
- Charlmers University of Technology: Jan Christensen  
Charlmers University of Technology ( Sweden)
- TUT: Keiji Kanameda  
Toyohashi Gijutsu Kagaku Daigaku ( Japan)
- ?: Hans-Dieter Burkhard, Markus Hannebauer, et al.  
Humboldt University ( Germany)
- Kasuga-bitto: Tomoo Inden  
Chubu University ( Japan)
- CMU Auton: Justin Boyan  
CMU ( USA)
- Holland: John van Zoggel  
(a system engineer) ( Netherlands)
- Kinki University: Shougo Kosue  
Kinki University ( Japan)
- University of Maryland: Sean Luke  
University of Maryland ( USA)
- Kinki University: Tomohiro Ichimura  
Kinki University ( Japan)
- The University of Padua: Enrico Pagello  
The University of Padua ( Italy )
- The Headless Chickens: Paul Scerri  
RMIT ( Australia)
- Chukyo University: Susumu Takagi  
Chukyo University ( Japan)
- Tamachans: Daiji Tamagawa  
Aoyama Gakuin University ( Japan)
- Inoue & Wilkin, I&W (Waseda): Naomichi Inoue  
Waseda University ( Japan)
- LAI: Vicente Matellan  
Universidad Carlos III De Madrid ( Espana)
- University of Oulu: Jukka Riekkii  
University of Oulu ( Finland)
- Linkoepping Lizards: Silvia Coradeschi  
Linkoepping University ( Sweden)
- Team Sicily: Luen Huang  
Stanford University ( USA)
- Tokyo Institute of Technology: Tomohito Andou  
Tokyo Institute of Technology ( Japan)
- Tokyo Institute of Technology: Masayuki Ohta  
Tokyo Institute of Technology ( Japan)
- RM Knights: Simon Ch'ng  
RMIT ( Australia)
- Orient: Akihiro Matsumoto & Hiromasa Nagai  
Toyo University ( Japan)
- ISIS: Milind Tambe  
USC ( USA)
- Univ. of New mexico/NASA ACE center: Marco Antonio Assfalk de Oliveira  
Univ. of New mexico/NASA ACE center ( USA)
- Team GAMMA: Itsuki Noda  
Electrotechnical Laboratory ( Japan)

- Ogalets: Koichi Ogawara  
University of Tokyo ( Japan)
- Electrotechnical Laboratory: Ian Frank  
Electrotechnical Laboratory ( Japan)
- Georgia Institute of Technology: Tucker Balch  
Georgia Institute of Technology ( USA)
- TEAM Garbage Collectors: Hideto Tomabechi  
private entry (Justsystem Scientific Institute) ( Japan)
- UBC Dynamo: Yu Zhang and Alan Mackworth  
British Columbia ( Canada)

## 2 Small-size real robot league

- CMUnited: Peter Stone & Manuela Veloso  
Carnegie Mellon University (U.S.A.)
- MICROB: Alexis Droul & Dominique Duhaut  
Universite PARIS 6 (France)
- Newton Research Lab. : Randy Sargent et al.  
Newton Research Lab. (U.S.A.)
- Nara Institute of Science and Technology:  
Takayuki Nakamura  
Nara Institute of Science and Technology  
(JAPAN)
- UMN/ NASA ACE center: Marco de Oliveira  
UMN/ NASA ACE center (U.S.A.)
- University of British Columbia: James Little  
University of British Columbia (Canada)

## 3 Middle-size real robot league

- RMIT Raiders: Andrew Price  
Royal Melbourne Institute of Technology (Australia)
- University of Michigan: Patrick Kenny  
University of Michigan (U.S.A.)
- Utsunomiya Univ. Toyo Univ. and Riken: Kazutaka Yokoya  
Utsunomiya Univ. Toyo Univ. and Riken  
(JAPAN)
- FUTBOT5: Wei-Min Shen  
University of Southern California (U.S.A.)
- Ullanta Performance Robotics: Barry Werger  
Ullanta Performance Robotics (U.S.A.)
- Osaka University: Shoji Suzuki  
Osaka University (JAPAN)

The detailed information on RoboCup-97 is available from <http://www.robocup.org/RoboCup> .



Figure 1: Soccer Server

## References

- [1] Hiroaki Kitano, Yasuo Kuniyoshi, Itsuki Noda, Minoru Asada, Ei-ichi Osawa and Hitoshi Matsubara: RoboCup a Challenge Problem for AI, AI magazine, Spring 1997, pp.73-85 (1997)
- [2] Itsuki Noda, Hitoshi Matsubara, Kazuo Hiraki & Ian Frank: Soccer Server as a tool for research on multi-agent systems, appeared in Applied Artificial Intelligence